EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	2	("5135775" "20030064198").PN.	US-PGPUB; USPAT	OR	ON	2009/11/10 17:09
S3	2	(((oxygen "O.sub.2") with plasma) same "linear ion source")	US-PGPUB; USPAT	OR	ON	2009/11/11 15:38
S4	45	(plasma same "linear ion source") and @PY<"2004"	US-PGPUB; USPAT	OR	ON	2009/11/11 15:40
S5	3	(plasma same "linear ion source") and @PY<"2004" and ((oxygen "O.sub.2") with (mill$4 etch$4))	US-PGPUB; USPAT	OR	ON	2009/11/11 16:02
S6	38	"linear ion source" and @PY<"2004" and ((oxygen "O.sub.2") same (argon Ar))	US-PGPUB; USPAT	OR	ON	2009/12/04 08:45
S7	45	(plasma same "linear ion source") and @PY<"2004"	US-PGPUB; USPAT	OR	ON	2009/12/04 08:45
S8	2	S6 not S7	US-PGPUB; USPAT	OR	ON	2009/12/04 08:45
S9	36	S6 not S8	US-PGPUB; USPAT	OR	ON	2009/12/04 08:46
S10	1	"20030064198".PN. and (oxygen "O.sub.2" argon Ar)	US-PGPUB; USPAT	OR	ON	2009/12/04 08:51
S11	41	S7 and (concentration ratio)	US-PGPUB; USPAT	OR	ON	2009/12/04 08:54
S12	0	"linear ion source" and @PY<"2004" and (((oxygen "O.sub.2") same (argon Ar)) same (concentration ratio))	US-PGPUB; USPAT	OR	ON	2009/12/04 08:54
S13	3	"linear ion source" and @PY<"2004" and (((oxygen "O.sub.2") same (argon Ar)) same (amount))	US-PGPUB; USPAT	OR	ON	2009/12/04 08:54
S14	1	"20030064198".PN. and (CVD deposition)	US-PGPUB; USPAT	OR	ON	2010/01/21 08:47
S15	1	"20030064198".PN. and (vacuum pressure)	US-PGPUB; USPAT	OR	ON	2010/01/21 08:48
S16	1	"5206060".PN.	US-PGPUB; USPAT	OR	ON	2010/01/21 09:05
S18	834	(Nadaud-Nicolas Nadaud Mattman-Eric Mattman Rousseau-Jean-Paul Rousseau Loergen-Mercus Loergen).IN.	US-PGPUB; USPAT	OR	ON	2010/01/21 09:07
S19	18	(Nadaud-Nicolas Nadaud Mattman-Eric Mattman Rousseau-Jean-Paul Rousseau Loergen-Mercus Loergen).IN. and ((argon Ar helium He Neon Ne) with (oxygen "O.sub.2"))	US-PGPUB; USPAT	OR	ON	2010/01/21 09:08

S20	19	(Nadaud-Nicolas Nadaud Mattman-Eric Mattman Rousseau-Jean-Paul Rousseau Loergen-Mercus Loergen).IN. and ((argon Ar helium He Neon Ne) same (oxygen "O. sub.2"))	US-PGPUB; USPAT	OR	ON	2010/01/21 09:18
S21	1	S20 not S19	US-PGPUB; USPAT	OR	ON	2010/01/21 09:18
S22	6	(Nadaud-Nicolas Nadaud Mattman-Eric Mattman Rousseau-Jean-Paul Rousseau Loergen-Mercus Loergen).IN. and "linear ion source"	US-PGPUB; USPAT	OR	ON	2010/01/21 09:21
S23	0	S22 not S20	US-PGPUB; USPAT	OR	ON	2010/01/21 09:21
S24	3	(Nadaud-Nicolas Nadaud Mattman-Eric Mattman Rousseau-Jean-Paul Rousseau Loergen-Mercus Loergen).IN. and "sputtering efficiency"	US-PGPUB; USPAT	OR	ON	2010/01/21 09:22
S25	2	S24 not S20	US-PGPUB; USPAT	OR	ON	2010/01/21 09:22
S26	16	(Nadaud-Nicolas Nadaud Mattman-Eric Mattman Rousseau-Jean-Paul Rousseau Loergen-Mercus Loergen).IN. and (clean$4). clm.	US-PGPUB; USPAT	OR	ON	2010/01/21 09:23
S27	12	S26 not (S20 S25)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:23
S28	4	(Nadaud-Nicolas Nadaud Mattman-Eric Mattman Rousseau-Jean-Paul Rousseau Loergen-Mercus Loergen).IN. and (etch$4). clm.	US-PGPUB; USPAT	OR	ON	2010/01/21 09:30
S29	4	S28 not (S20 S25 S27)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:30
S30	398	("Saint-Gobain Glass France" "Saint-Gobain Glass").AS.	US-PGPUB; USPAT	OR	ON	2010/01/21 09:32
S31	4	("Saint-Gobain Glass France" "Saint-Gobain Glass").AS. and "linear ion source"	US-PGPUB; USPAT	OR	ON	2010/01/21 09:32
S32	0	S31 not S22	US-PGPUB; USPAT	OR	ON	2010/01/21 09:32
S33	29	("Saint-Gobain Glass France" "Saint-Gobain Glass").AS. and (etch$4 clean$4).clm.	US-PGPUB; USPAT	OR	ON	2010/01/21 09:33
S34	25	S33 not (S20 S25 S27)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:33
S35	0	("Saint-Gobain Glass France" "Saint-Gobain Glass").AS. and "sputtering efficiency"	US-PGPUB; USPAT	OR	ON	2010/01/21 09:41
S36	149	("Saint-Gobain Glass France" "Saint-Gobain Glass").AS. and sputtering	US-PGPUB; USPAT	OR	ON	2010/01/21 09:42
S37	0	("Saint-Gobain Glass France" "Saint-Gobain Glass").AS. and (sputtering with efficiency)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:42

S38	37	("Saint-Gobain Glass France" "Saint-Gobain Glass").AS. and ((argon Ar helium He Neon Ne) same (oxygen "O.sub.2"))	US-PGPUB; USPAT	OR	ON	2010/01/21 09:42
S39	26	S38 not (S34 S20 S25 S27)	US-PGPUB; USPAT	OR	ON	2010/01/21 09:42
S41	2	("5135775" "20030064198").PN.	US-PGPUB; USPAT	OR	ON	2010/01/21 09:48
S42	1	"20070157668".PN.	US-PGPUB; USPAT	OR	ON	2010/01/21 10:10
S43	2	"linear ion source"	JPO	OR	ON	2010/01/21 12:43
S44	1	"linear ion source"	EPO	OR	ON	2010/01/21 12:53
S45	0	"linear ion source"	USOCR; FPRS; IBM_TDB	OR	ON	2010/01/21 12:54
S46	10	"linear ion source"	DERWENT	OR	ON	2010/01/21 12:54
S47	1	"5236509".PN.	US-PGPUB; USPAT	OR	ON	2010/01/21 13:09
S48	1	"5236509".PN. and linear and vacuum	US-PGPUB; USPAT	OR	ON	2010/01/21 13:11
S49	112	"linear ion source"	US-PGPUB; USPAT	OR	ON	2010/01/21 13:19
S50	1	"7264741".PN.	US-PGPUB; USPAT	OR	ON	2010/01/21 13:24
S51	1	"7264741".PN. and vacuum	US-PGPUB; USPAT	OR	ON	2010/01/21 13:24
S52	1	"20040175511".PN.	US-PGPUB; USPAT	OR	ON	2010/01/21 13:40
S53	1	"20040175511".PN.	US-PGPUB; USPAT	OR	ON	2010/01/21 14:34
S54	10	(US-20020117250-$ or US-20070157668-$ or US-20040175511-$ or US-20040020761-$ or US-20070228369-$ or US-20020155294-$ or US-20010044030-$).did. or (US-5973447-$ or US-5236509-$ or US-4424103-$).did.	US-PGPUB; USPAT	OR	ON	2010/01/21 16:06
S55	54323	("ion gun" "ion beam" (collimated near2 ion) "direct ion beam")	US-PGPUB; USPAT	OR	ON	2010/01/21 16:53
S56	11745	("ion gun" "ion beam" (collimated near2 ion) "direct ion beam") and glass and (oxygen "O.sub.2")	US-PGPUB; USPAT	OR	ON	2010/01/21 16:54
S57	4594	("ion gun" "ion beam" (collimated near2 ion) "direct ion beam") and glass and ((oxygen "O.sub.2") same plasma)	US-PGPUB; USPAT	OR	ON	2010/01/22 08:46
S58	3427	("ion gun" "ion beam" (collimated near2 ion) "direct ion beam") and glass and ((oxygen "O.sub.2") same plasma) and vacuum	US-PGPUB; USPAT	OR	ON	2010/01/22 08:47

EAST Search History (Prior Art)

S59	1085	("ion gun" "ion beam" (collimated near2 ion) "direct ion beam") and glass and (((oxygen "O.sub.2") with (argon Ar)) same plasma)	US-PGPUB; USPAT	OR	ON	2010/01/22 08:48
S60	112	"linear ion source"	US-PGPUB; USPAT	OR	ON	2010/01/22 08:48
S61	1039	S59 not S60	US-PGPUB; USPAT	OR	ON	2010/01/22 08:48
S62	399	(("ion gun" "ion beam" (collimated near2 ion) "direct ion beam") near40 ((oxygen "O.sub.2") with (argon Ar))) and glass	US-PGPUB; USPAT	OR	ON	2010/01/22 08:50
S63	382	S62 not S60	US-PGPUB; USPAT	OR	ON	2010/01/22 08:50
S64	29	(("ion gun" "ion beam" (collimated near2 ion) "direct ion beam") near40 ((oxygen "O.sub.2") with (argon Ar))) and glass	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 10:45
S65	1	"6808606".PN. and (oxygen "O.sub.2")	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 10:54
S66	1	"6808606".PN. and (oxygen "O.sub.2")	US-PGPUB; USPAT	OR	ON	2010/01/22 10:54
S67	142	("ion gun" "ion beam" (collimated near2 ion) "direct ion beam") and glass and clean$4	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 11:08
S68	141	S67 not S64	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 11:09
S69	1747	("ion gun" "ion beam" (collimated near2 ion) "direct ion beam") and glass	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 12:42
S70	140	("ion gun" "ion beam" (collimated near2 ion) "direct ion beam") and glass and mill$4	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 12:42
S71	124	S70 not (S64 S68)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 12:42

S73	1	"20080052953".PN. and rectify$4	US-PGPUB; USPAT	OR	ON	2010/01/22 13:33
S74	113	(134/1 134/1.1 134/1.2 134/1.3 134/15 134/21 134/26 134/42).ccls. and ("ion gun" "ion beam" (collimat$4 near2 beam)) and @PY<"2005"	US-PGPUB; USPAT	OR	ON	2010/01/25 08:38
S76	17	(US-20020117250-$ or US-20070157668-$ or US-20040175511-$ or US-20040020761-$ or US-20070228369-$ or US-20020155294-$ or US-20010044030-$ or US-20080174872-$).did. or (US-5973447-$ or US-5236509-$ or US-4424103-$ or US-6783636-$ or US-6175450-$ or US-5846649-$ or US-4599272-$ or US-6756161-$ or US-6808606-$).did.	US-PGPUB; USPAT	OR	ON	2010/01/25 08:47
S77	15	((US-20020117250-$ or US-20070157668-$ or US-20040175511-$ or US-20040020761-$ or US-20070228369-$ or US-20020155294-$ or US-20010044030-$ or US-20080174872-$).did. or (US-5973447-$ or US-5236509-$ or US-4424103-$ or US-6783636-$ or US-6175450-$ or US-5846649-$ or US-4599272-$ or US-6756161-$ or US-6808606-$).did.) and ((argon Ar neon Ne helium He) same (oxygen "O.sub.2"))	US-PGPUB; USPAT	OR	ON	2010/01/25 08:47
S78	170	(134/1 134/1.1 134/1.2 134/1.3 134/15 134/21 134/26 134/42).ccls. and glass and ((argon Ar neon Ne helium He) same (oxygen "O.sub.2")) and @PY<"2005"	US-PGPUB; USPAT	OR	ON	2010/01/25 09:11
S79	162	S78 not S74	US-PGPUB; USPAT	OR	ON	2010/01/25 09:11
S80	1	"20040020761".PN.	US-PGPUB; USPAT	OR	ON	2010/01/25 09:27
S81	1	"20040020761".PN. and vacuum	US-PGPUB; USPAT	OR	ON	2010/01/25 09:37
S82	1	"20030064198".PN. and (oxygen "O.sub.2")	US-PGPUB; USPAT	OR	ON	2010/01/25 10:29
S83	0	"20030064198".PN. and ALS	US-PGPUB; USPAT	OR	ON	2010/01/25 10:34
S84	0	(veeco).AS. and glass and ((argon Ar neon Ne helium He) same (oxygen "O.sub.2")) and @PY<"2005"	US-PGPUB; USPAT	OR	ON	2010/01/25 10:56
S85	246	(veeco).AS.	US-PGPUB; USPAT	OR	ON	2010/01/25 10:56
S86	13	(veeco).AS. and glass and (oxygen "O.sub.2" argon Ar)	US-PGPUB; USPAT	OR	ON	2010/01/25 10:56
S87	3	(veeco).AS. and glass and ((argon Ar neon Ne helium He) same (oxygen "O.sub.2"))	US-PGPUB; USPAT	OR	ON	2010/01/25 10:59

S88	1	"20040020761".PN. and cathode and sputter$4	US-PGPUB; USPAT	OR	ON	2010/01/25 12:37
S89	1	"20040020761".PN. and (move movement)	US-PGPUB; USPAT	OR	ON	2010/01/25 12:41
S90	1	"20040020761".PN. and sputter$4	US-PGPUB; USPAT	OR	ON	2010/01/25 12:47
S91	361	"cathode sputtering" and glass and ((oxygen "O.sub.2") same (argon Ar))	US-PGPUB; USPAT	OR	ON	2010/01/25 13:44
S92	248	"cathode sputtering" and glass and ((oxygen "O.sub.2") same (argon Ar)) and @PY<"2005"	US-PGPUB; USPAT	OR	ON	2010/01/25 13:44
S93	47	"cathode sputtering" with defin$4	US-PGPUB; USPAT	OR	ON	2010/01/25 13:49
S94	1	"20040020761".PN.	US-PGPUB; USPAT	OR	ON	2010/01/25 14:01
S95	1	"5846649".PN.	US-PGPUB; USPAT	OR	ON	2010/01/25 14:03
S96	15453	glass and ("linear ion source" "ion beam") and (energy keV eV)	US-PGPUB; USPAT	OR	ON	2010/01/25 14:06
S97	7353	glass and ("linear ion source" "ion beam") and (energy keV eV) and @PY<"2005"	US-PGPUB; USPAT	OR	ON	2010/01/25 14:06
S98	128	windshield and glass and ("linear ion source" "ion beam") and (energy keV eV) and @PY<"2005"	US-PGPUB; USPAT	OR	ON	2010/01/25 14:07
S99	1	"20020117250".PN. and (energy keV eV)	US-PGPUB; USPAT	OR		2010/01/25 14:35
S100	27	"cathode sputtering" and glass and ((oxygen "O.sub.2") same (argon Ar)) and @PY<"2005" and "magnetically enhanced"	US-PGPUB; USPAT	OR	ON	2010/01/25 15:05
S101	1	"20040020761".PN. and reflect$4	US-PGPUB; USPAT	OR	ON	2010/01/25 15:09
S102	1	"4891113".PN.	US-PGPUB; USPAT	OR	ON	2010/01/25 15:13
S104	1	"20040020761".PN. and window	US-PGPUB; USPAT	OR	ON	2010/01/25 15:38
S105	6967	("chemical vapor deposition" CVD) and glass and ((oxygen "O.sub.2") same (argon Ar)) and @PY<"2005"	US-PGPUB; USPAT	OR	ON	2010/01/27 08:42
S106	99	("chemical vapor deposition" CVD) and glass and ((oxygen "O.sub.2") same (argon Ar)) and @PY<"2005" and architectural	US-PGPUB; USPAT	OR	ON	2010/01/27 08:43
S107	1	"20070157668".PN. and (argon Ar)	US-PGPUB; USPAT	OR	ON	2010/07/06 09:29
S108	14	"linear ion source" and collimat$4 and (oxygen "O.sub.2")	US-PGPUB; USPAT	OR	ON	2010/07/06 09:36
S109	4	"10003436"	US-PGPUB; USPAT	OR	ON	2010/07/06 09:56

S110	1	"20030077402".PN.	US-PGPUB; USPAT	OR	ON	2010/07/06 10:37
S111	1	"20030077402".PN. and (linear collimat$4)	US-PGPUB; USPAT	OR	ON	2010/07/06 12:48
S112	1	"20070157668".PN. and mixture	US-PGPUB; USPAT	OR	ON	2010/07/06 13:50
S113	1	"20030077402".PN. and (oxygen "O.sub.2")	US-PGPUB; USPAT	OR	ON	2010/07/06 14:16
S114	98	"linear ion source" and (oxygen "O.sub.2")	US-PGPUB; USPAT	OR	ON	2010/07/06 14:20
S115	14	"linear ion source" and collimat$4 and (oxygen "O.sub.2")	US-PGPUB; USPAT	OR	ON	2010/07/06 14:20
S116	84	S114 not S115	US-PGPUB; USPAT	OR	ON	2010/07/06 14:20
S117	54	S116 and ((oxygen "O.sub.2") same (He Ne Ar Kr Xe))	US-PGPUB; USPAT	OR	ON	2010/07/06 14:21
S118	0	S116 and ((oxygen "O.sub.2") same (He Ne Kr Xe))	US-PGPUB; USPAT	OR	ON	2010/07/06 14:21
S119	21	S116 and (oxygen "O.sub.2") and (He Ne Xe)	US-PGPUB; USPAT	OR	ON	2010/07/06 14:22
S120	1267	(ion same collimat$4) and (oxygen "O.sub.2")	US-PGPUB; USPAT	OR	ON	2010/07/06 14:40
S121	665	(ion same collimat$4) and (oxygen "O.sub.2") and glass	US-PGPUB; USPAT	OR	ON	2010/07/06 14:41
S122	336	(ion same collimat$4) and (oxygen "O.sub.2") and glass and clean$4	US-PGPUB; USPAT	OR	ON	2010/07/06 14:41
S123	173	(ion same collimat$4) and ((oxygen "O.sub.2") same clean$4)	US-PGPUB; USPAT	OR	ON	2010/07/06 14:42
S124	173	S123 not S119	US-PGPUB; USPAT	OR	ON	2010/07/06 14:42
S125	48	ion and (oxygen "O.sub.2") and (windshield "wind shield" glass window)	EPO	OR	ON	2010/07/06 15:30
S126	558	ion and (oxygen "O.sub.2") and (windshield "wind shield" glass window)	JPO	OR	ON	2010/07/06 16:00
S127	24	ion and clean$4 and (oxygen "O.sub.2") and (windshield "wind shield" glass window)	JPO	OR	ON	2010/07/06 16:00

S12 8	30	(US-20020117250-$ or US-20070157668-$ or US-20040175511-$ or US-20040020761-$ or US-20070228369-$ or US-20020155294-$ or US-20010044030-$ or US-20080174872-$ or US-20040163945-$ or US-20020176988-$ or US-20020155299-$ or US-20050098118-$ or US-20030077402-$ or US-20020081378-$).did. or (US-5973447-$ or US-5236509-$ or US-4424103-$ or US-6783636-$ or US-6175450-$ or US-5846649-$ or US-4599272-$ or US-6756161-$ or US-6808606-$ or US-4851095-$ or US-4891113-$ or US-4512864-$ or US-6521295-$ or US-7198699-$ or US-6818257-$ or US-6451389-$).did.	US-PGPUB; USPAT	OR	ON	2010/07/08 10:15
S12 9	15	((US-20020117250-$ or US-20070157668-$ or US-20040175511-$ or US-20040020761-$ or US-20070228369-$ or US-20020155294-$ or US-20010044030-$ or US-20080174872-$ or US-20040163945-$ or US-20020176988-$ or US-20020155299-$ or US-20050098118-$ or US-20030077402-$ or US-20020081378-$).did. or (US-5973447-$ or US-5236509-$ or US-4424103-$ or US-6783636-$ or US-6175450-$ or US-5846649-$ or US-4599272-$ or US-6756161-$ or US-6808606-$ or US-4851095-$ or US-4891113-$ or US-4512864-$ or US-6521295-$ or US-7198699-$ or US-6818257-$ or US-6451389-$).did.) and (He helium Ne Neon Kr krypton Xe xenon)	US-PGPUB; USPAT	OR	ON	2010/07/08 10:15
S13 0	1	"20030077402".PN.	US-PGPUB; USPAT	OR	ON	2010/07/08 10:38
S13 1	1	"20030077402".PN. and cathode	US-PGPUB; USPAT	OR	ON	2010/07/08 13:17
S13 2	1	"20030077402".PN.	US-PGPUB; USPAT	OR	ON	2010/07/09 08:02
S13 3	1	"20030077402".PN. and magnetic$4 and cathode	US-PGPUB; USPAT	OR	ON	2010/07/09 08:03
S13 4	1	"20030077402".PN.	US-PGPUB; USPAT	OR	ON	2011/02/02 14:04
S13 5	1	"20040020761".PN.	US-PGPUB; USPAT	OR	ON	2011/02/02 14:26
S13 6	2753	(clean$4 with substrate) and (substrate with glass) and ((oxygen "O.sub.2") with clean$4)	US-PGPUB; USPAT	OR	ON	2011/02/02 14:51
S13 7	95	(clean$4 with substrate) and (substrate with glass) and ((oxygen "O.sub.2") with clean$4) and (windshield "wind shield" windscreen "wind screen")	US-PGPUB; USPAT	OR	ON	2011/02/02 14:52

EAST Search History (Prior Art)

S138	1	"7067175".PN. and (oxygen "O.sub.2")	US-PGPUB; USPAT	OR	ON	2011/02/02 15:25
S139	1	"6713178".PN. and (oxygen "O.sub.2")	US-PGPUB; USPAT	OR	ON	2011/02/02 15:27
S140	1	"6261693".PN. and (oxygen "O.sub.2")	US-PGPUB; USPAT	OR	ON	2011/02/02 15:28
S141	1	"20040020761".PN.	US-PGPUB; USPAT	OR	ON	2011/02/03 12:59
S144	1	"20060144834".PN.	US-PGPUB; USPAT	OR	ON	2011/02/03 14:58
S145	1	"20040020761".PN.	US-PGPUB; USPAT	OR	ON	2011/02/07 09:05

EAST Search History (Interference)

		< This search history is empty>			